540955

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



1 (88) <u>5 4) 1010 | 1 414 | 144 | 164 | 164 | 164 | 144 | 144 | 156 |</u>

(43) International Publication Date 15 July 2004 (15.07.2004)

PCT

(10) International Publication Number WO 2004/058040 A2

(51) International Patent Classification7:

A61B

(21) International Application Number:

PCT/EG2003/000014

(22) International Filing Date:

27 December 2003 (27.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2002121401

28 December 2002 (28.12.2002)

EG

(71) Applicants and

- (72) Inventors: HASSANIEN, Ali, Mohamed, Ali [EG/EG]; 131 Ahmed Shawky Street, Roshdy, Alexandria (EG). AL-TAHER, Ali, Sulaiman, Murad [AE/AE]; P.O. Box 97555, Dubai (AE).
- (74) Agent: EL DEKKI, Ragaii; Ragaii El Dekki & Partners, P.O. Box 452, Sidi-Gaber, Alexandria (EG).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,

CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

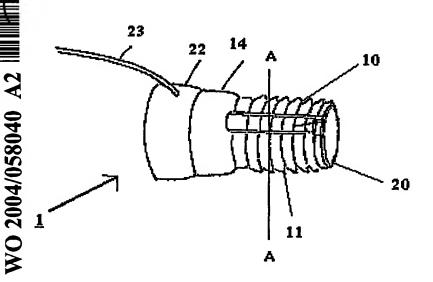
of inventorship (Rule 4.17(iv)) for US only

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DISPOSABLE DEVICE FOR MULTI-LIGATION OF BLEEDING ESOPHAGEAL VARICES



(57) Abstract: The present invention relates to device for treating bleeding esophagus. The said device consists of three parts of cylinders. The first part characterized by its interior 2/3 is in the form of toothed rows with equal dimensions and parallel to each other along its circular surface. Its posterior 1/3 is in the form of two cylinders inside each other and connected together at its junction with the anterior 2/3 part leaving a specific space in between. The second part represent part of cylinder with three toothed arms situated vertically on it and similar in shape and dimensions. The third part consists of two cylinders inside each other and connected together on one side and free on the other side to be compatible with the other parts.